

Fig. 1 (Prior Art)

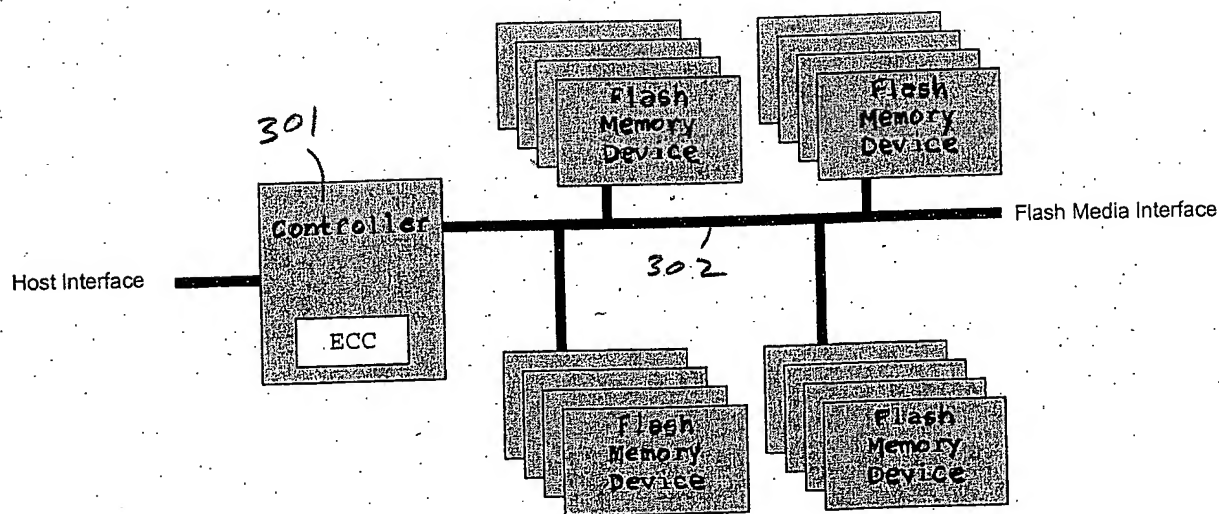


Fig. 2 (Prior Art)

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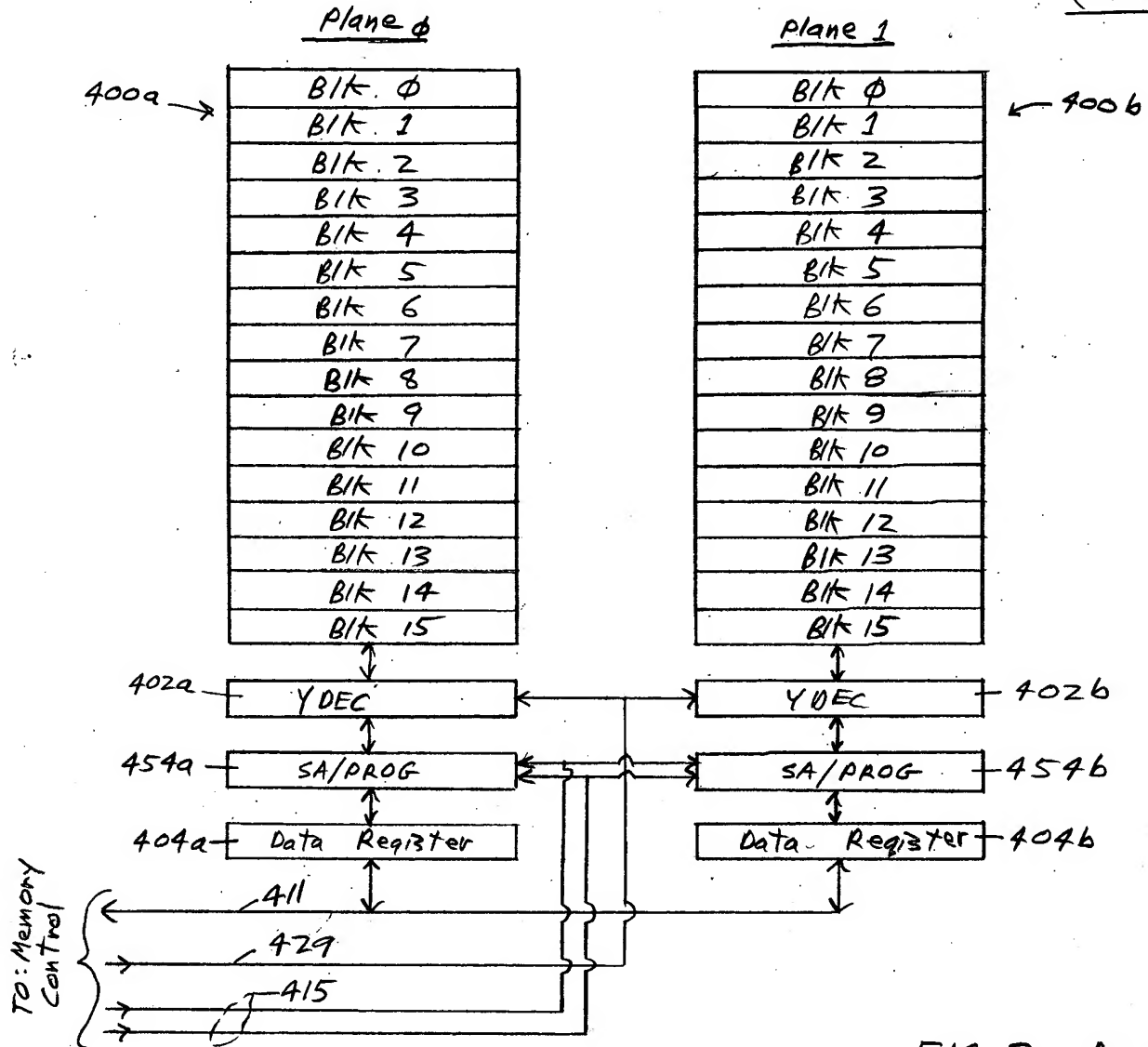


FIG. 3 - Array

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FIG. 4 -  
Block

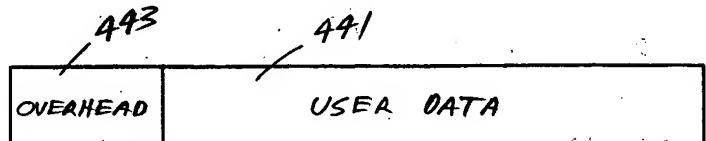


FIG. 5 - Data Sector

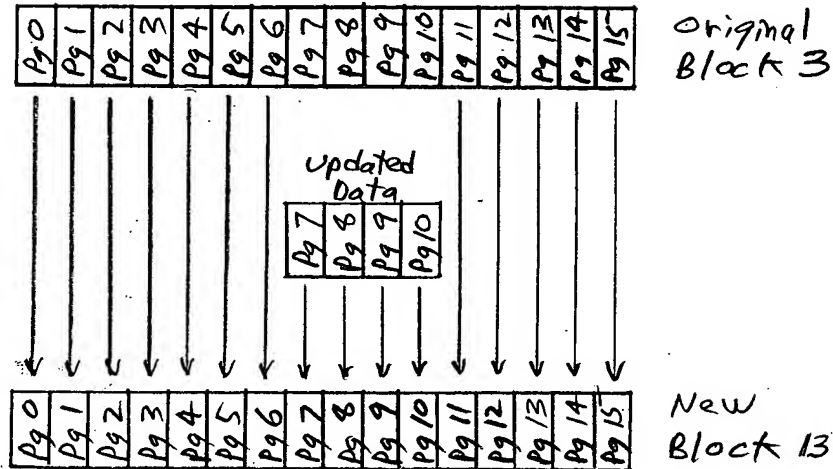


FIG. 6 - Updating Less than all Pages of Block

LBN	PBN
$\phi$	$\phi$
1	1
2	2
3	3
4	4
5	5

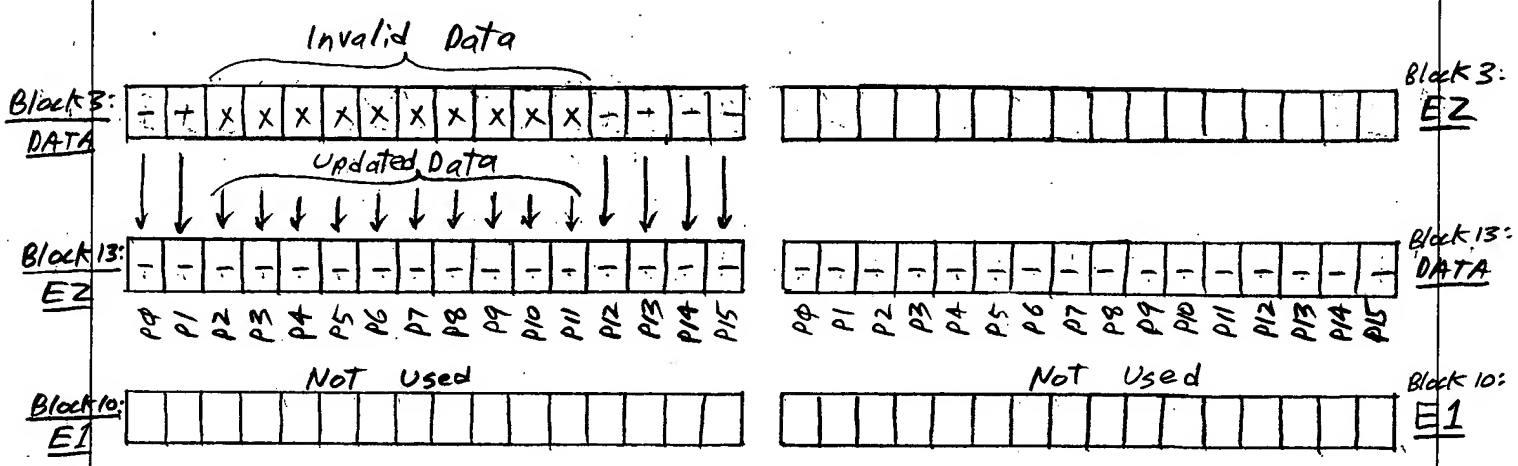
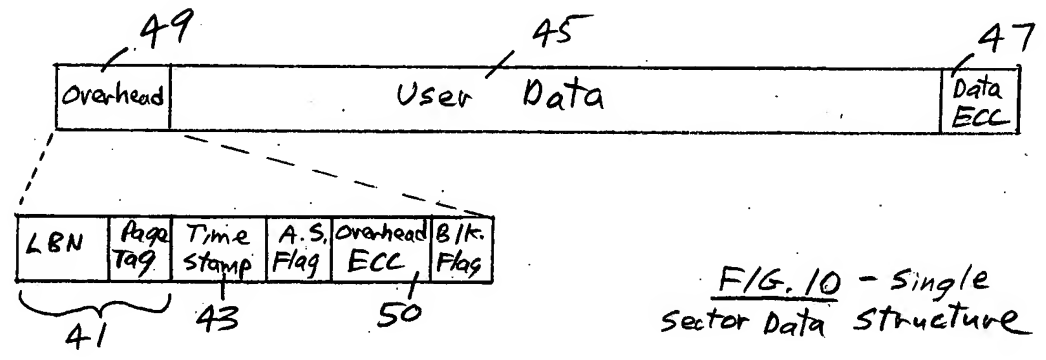
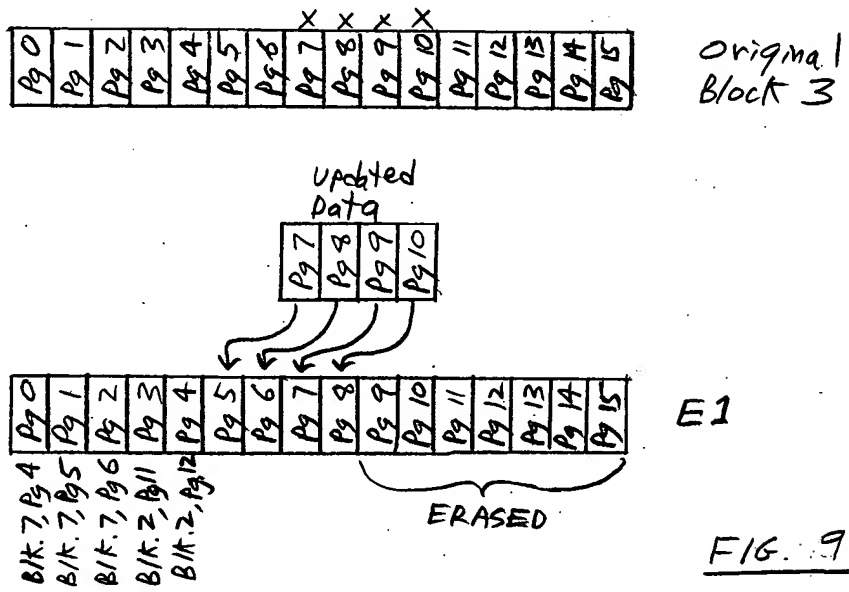
FIG. 7A - Translation Table

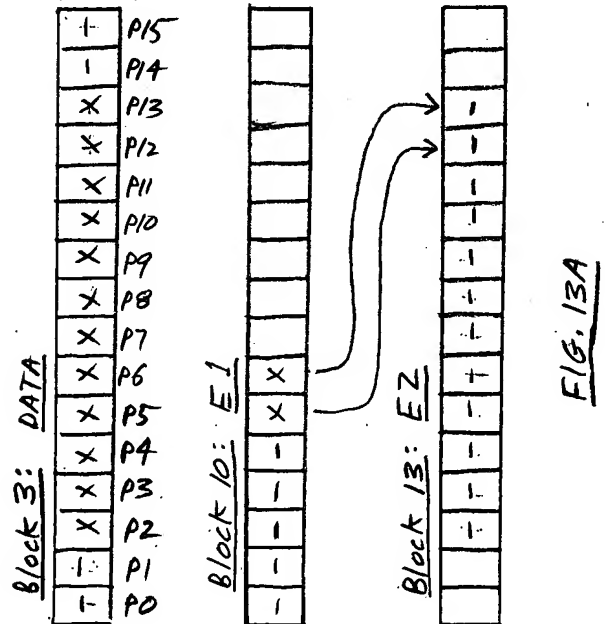
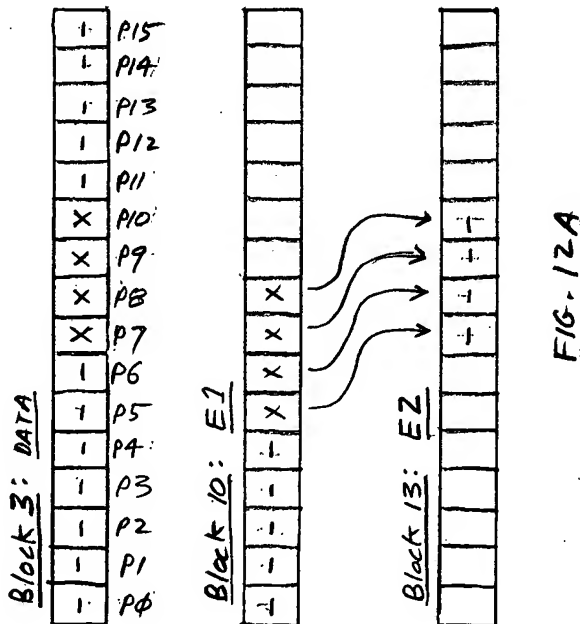
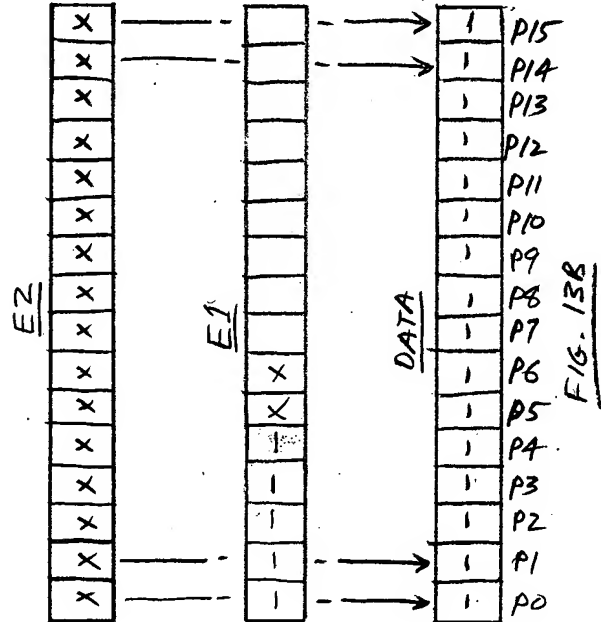
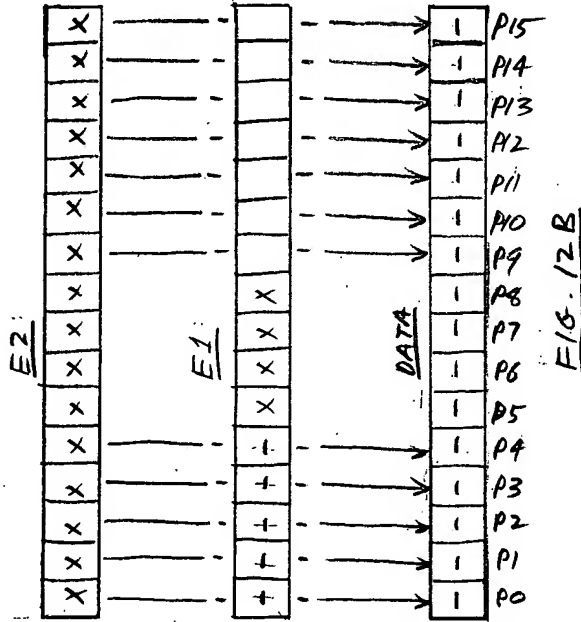
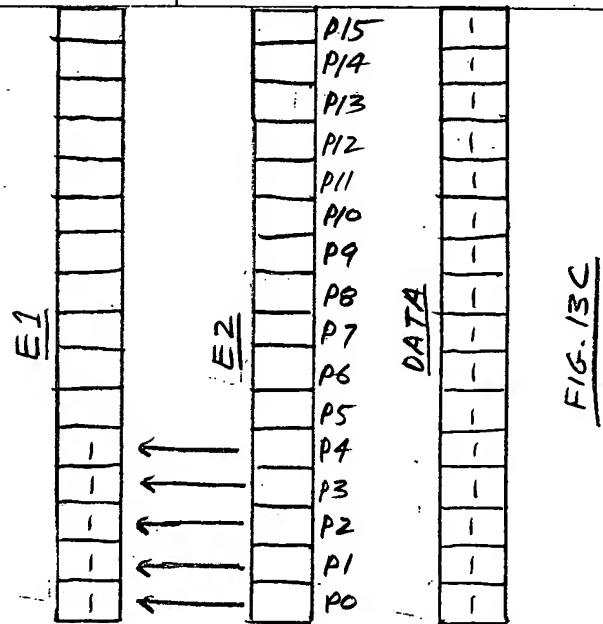
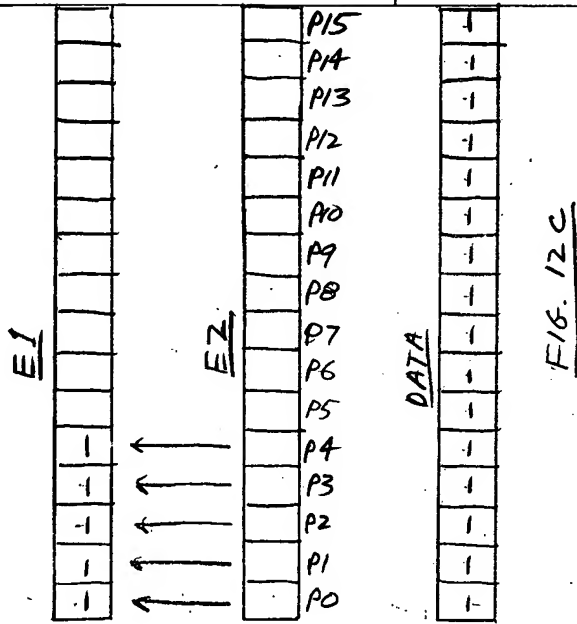
LBN	PBN
$\phi$	$\phi$
1	1
2	2
3	13
4	4
5	5

FIG. 7B - Translation Table

PLANE	
Blk $\phi$	
Blk 1	
Blk 2	
Blk 3	
Blk 4	
Blk 5	
Blk 6	
Blk 7	
Blk 8	
Blk 9	
Blk 10	E1
Blk 11	
Blk 12	
Blk 13	E2
Blk 14	
Blk 15	

FIG. 8 - Block Assignment in one Plane





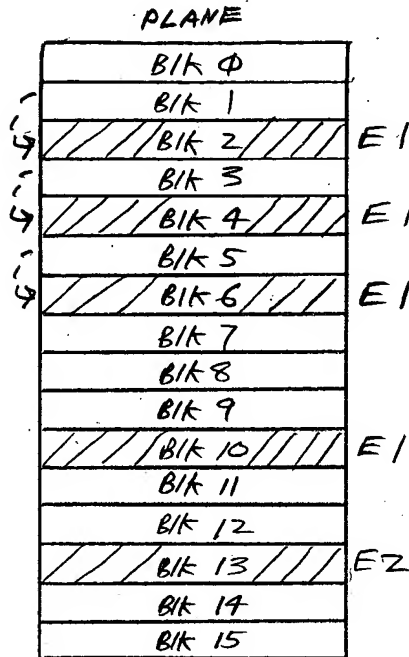


FIG. 19

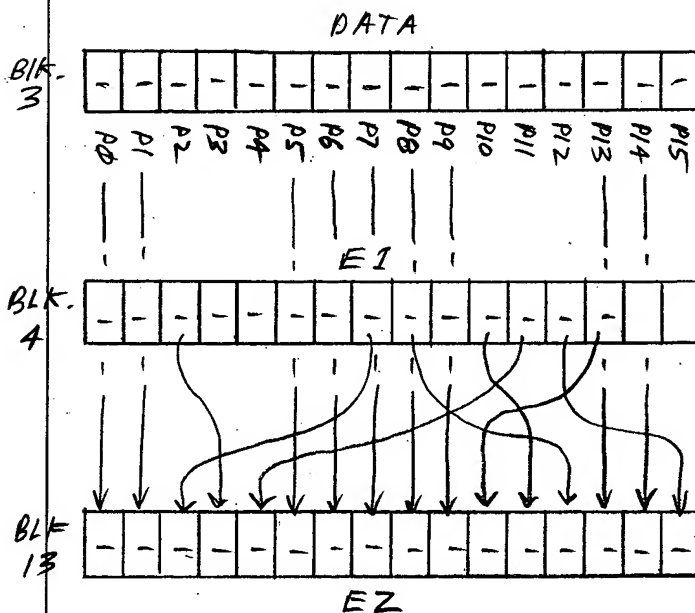


FIG. 15A

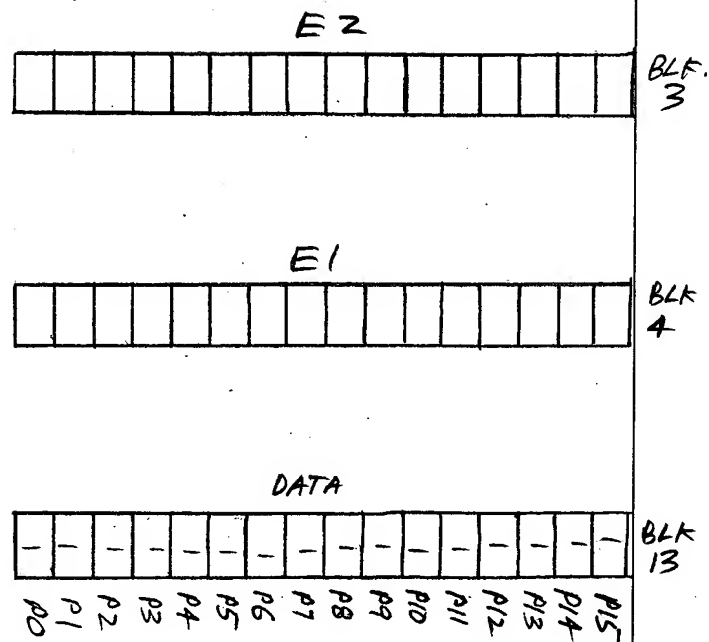


FIG. 15B

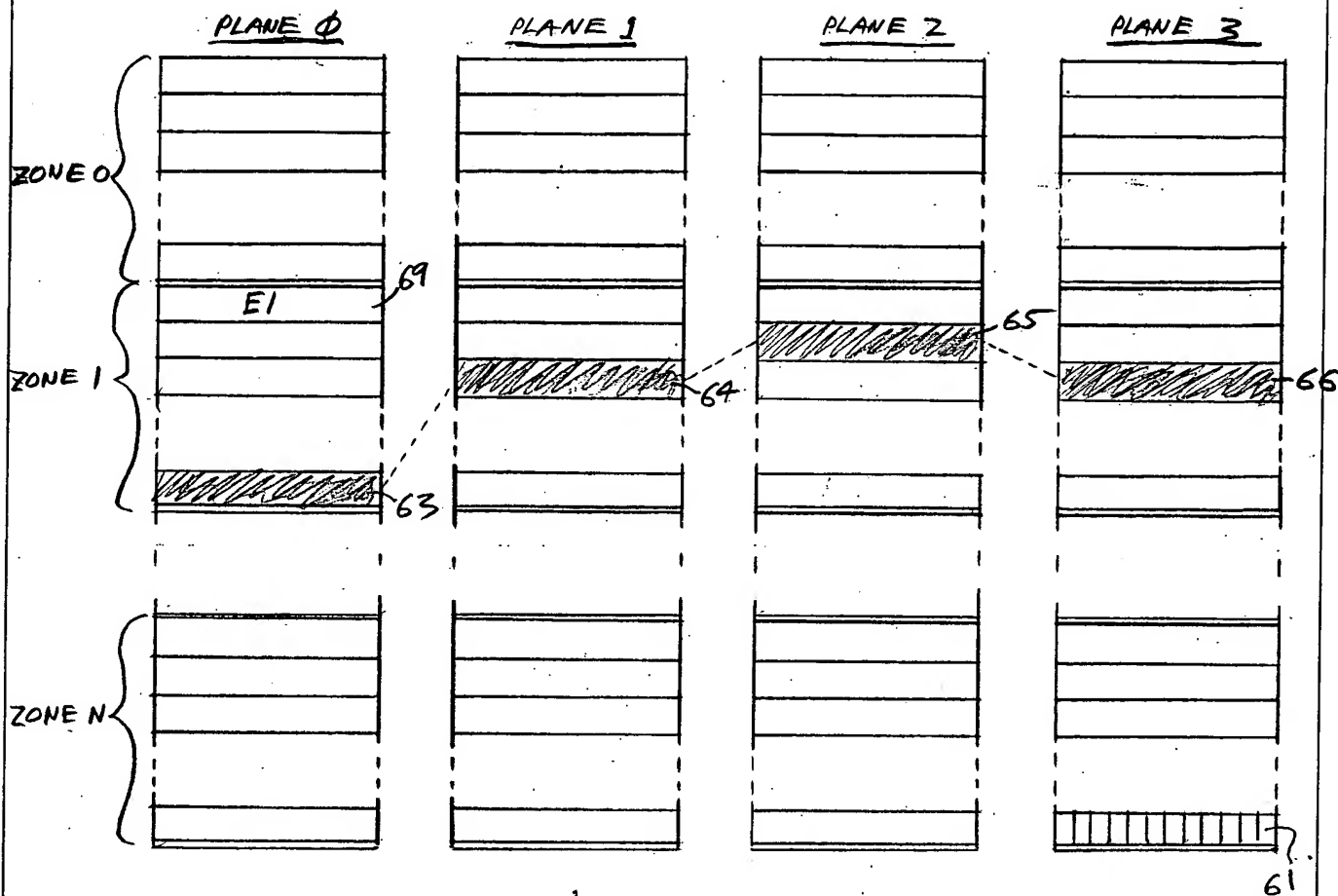


FIG. 16

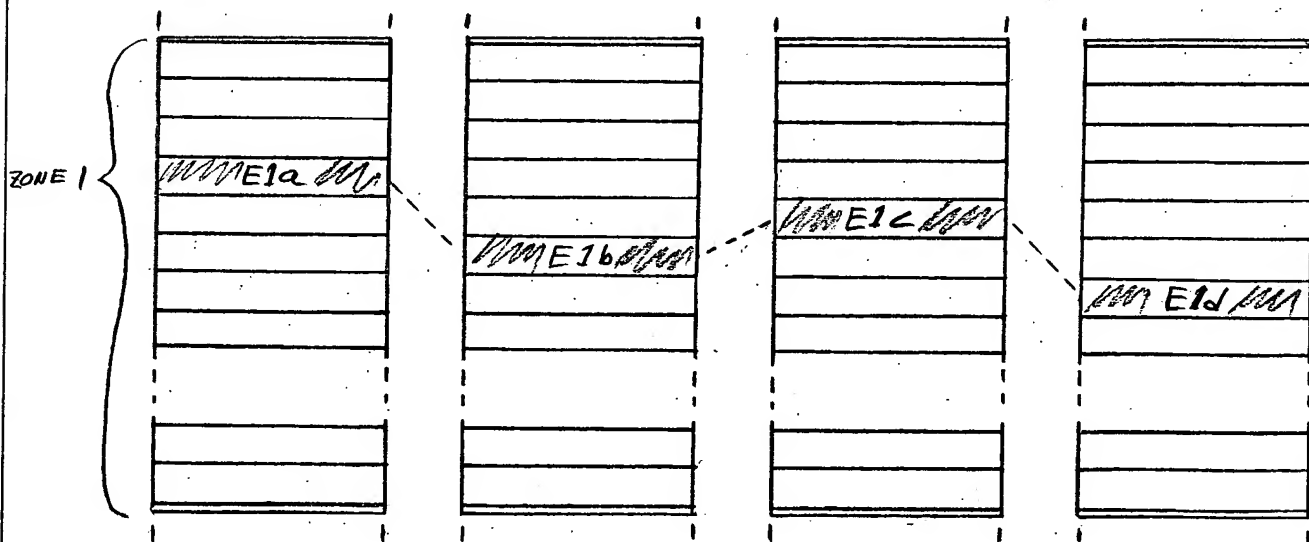


FIG. 17

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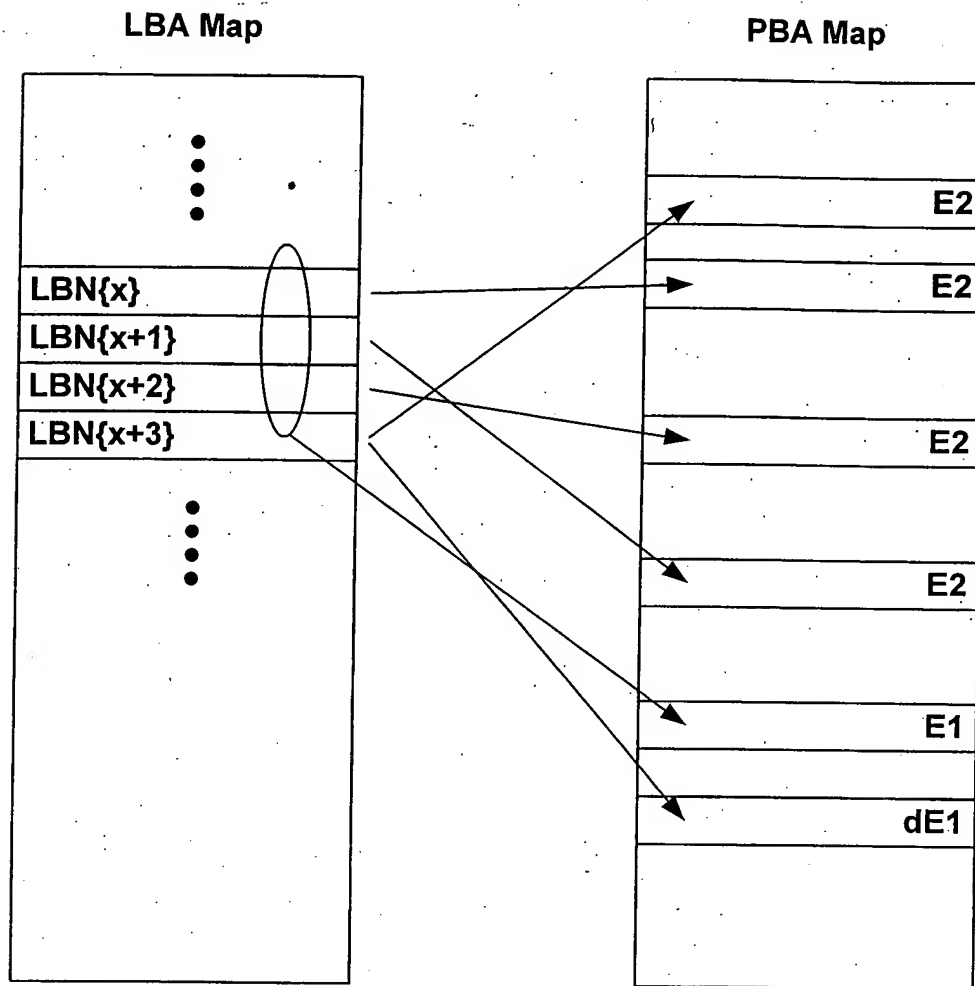


FIG. 18



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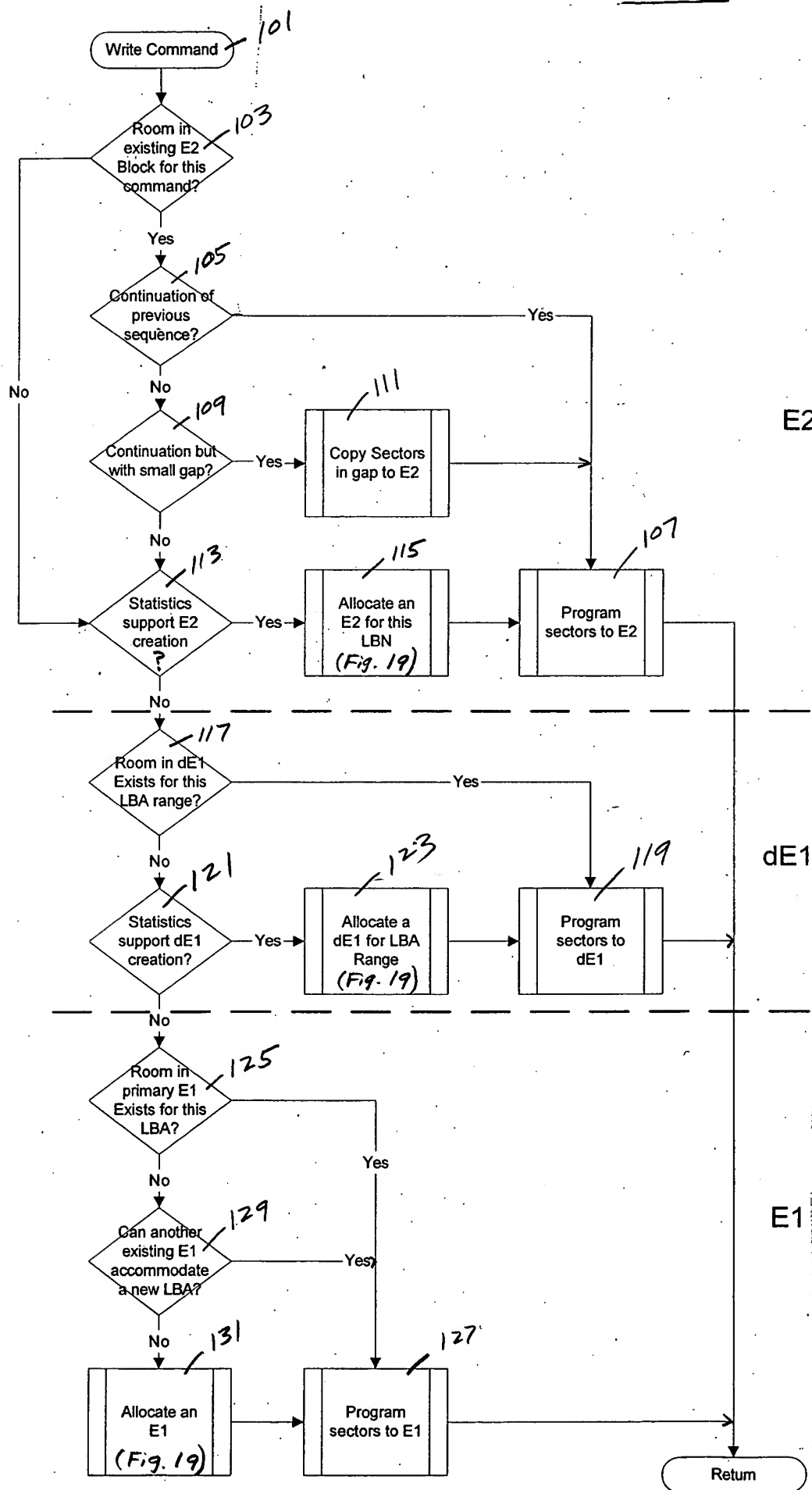


FIG. 19

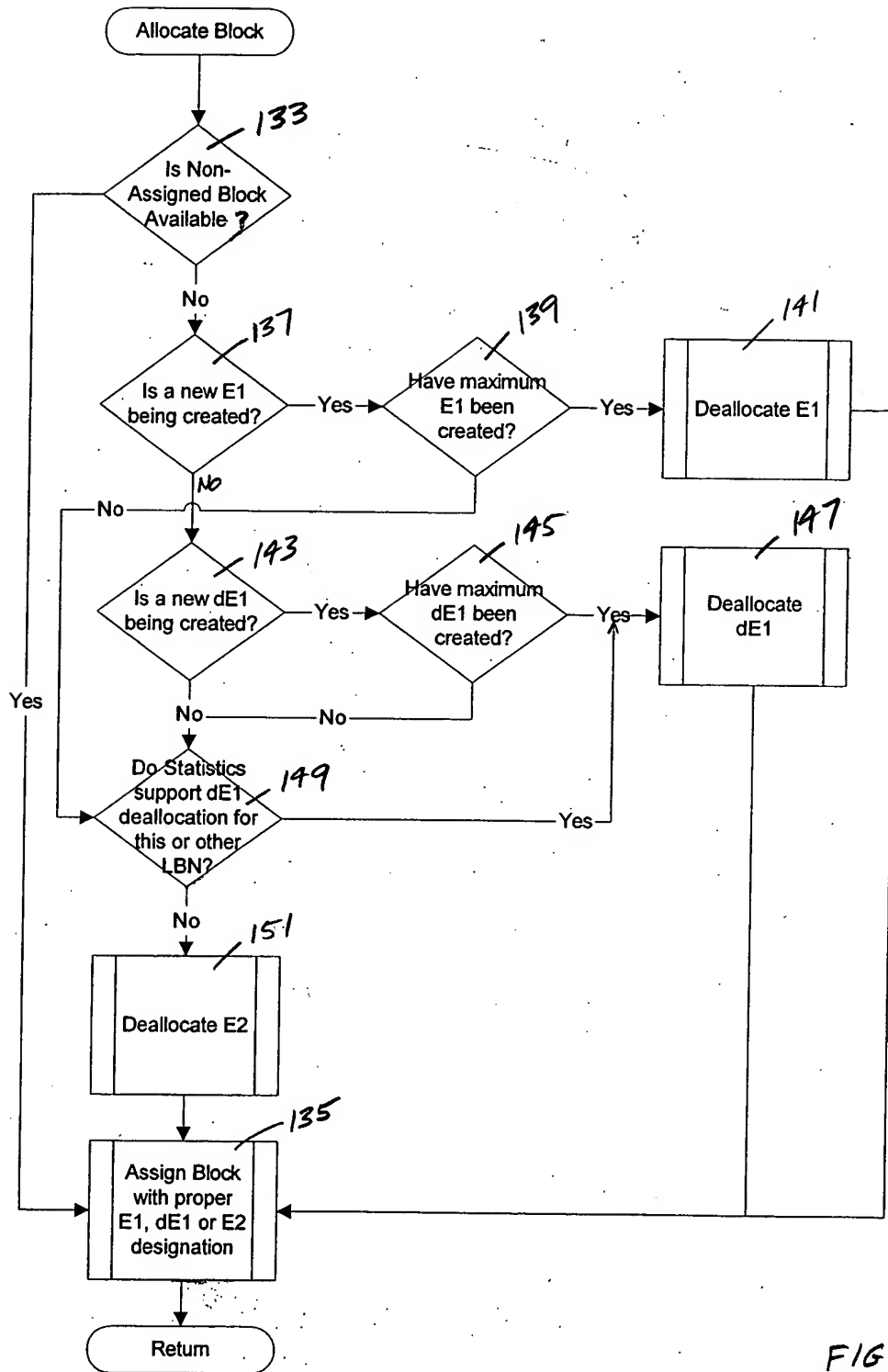


FIG. 20